

TITLE: METHOD AND APPARATUS FOR FORMING PRINTED CIRCUIT BOARDS USING IMPRINTING AND GRINDING
INVENTORS NAME: David P. McConville et al.
SERIAL NO.: 10/612705

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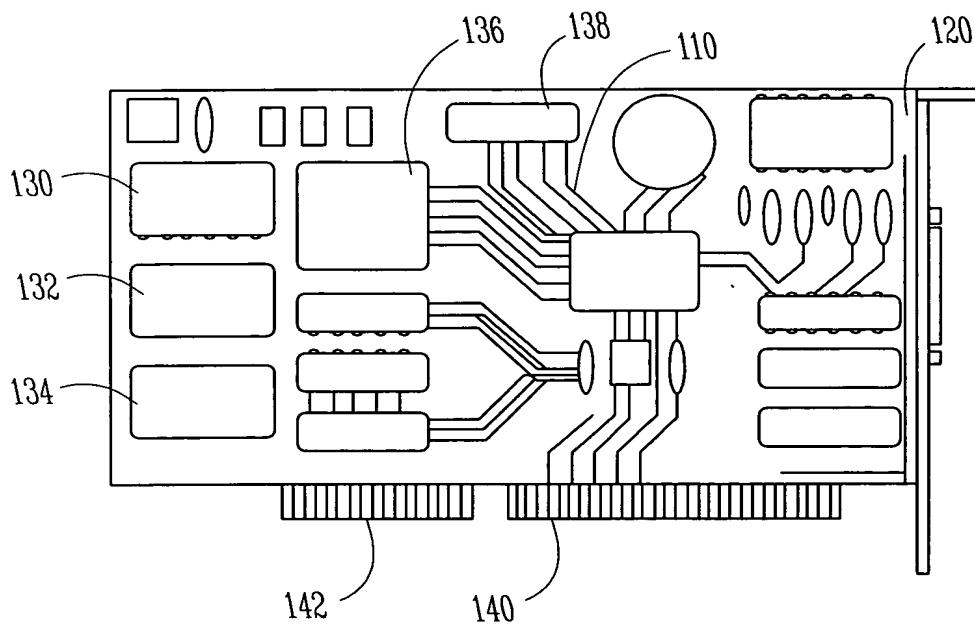


Fig. 1

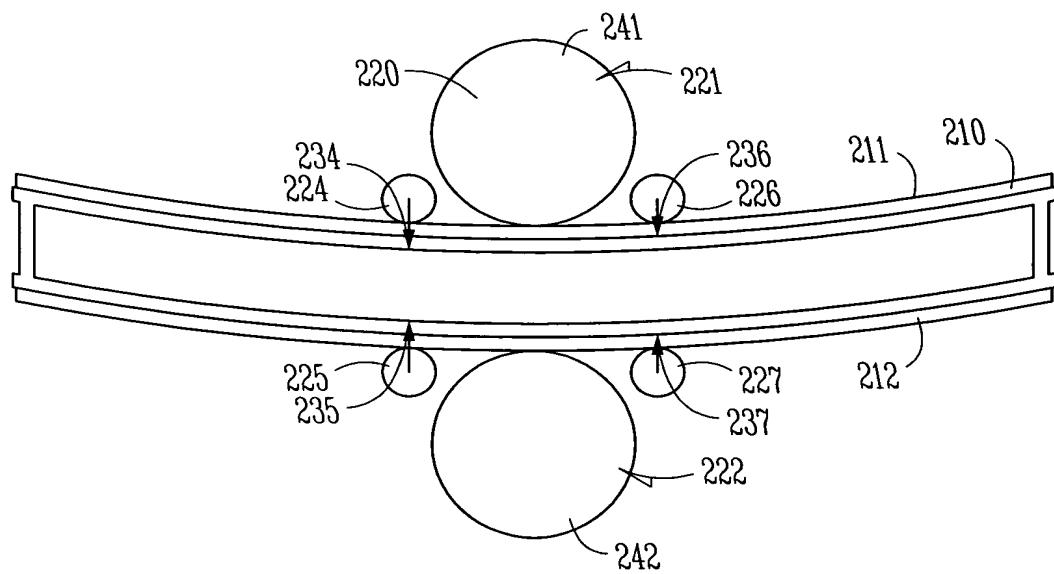


Fig. 2

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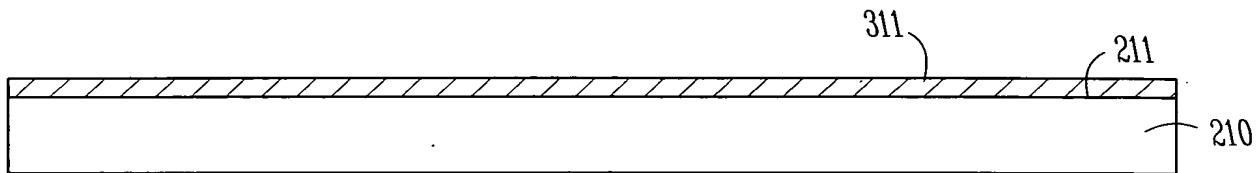


Fig. 3

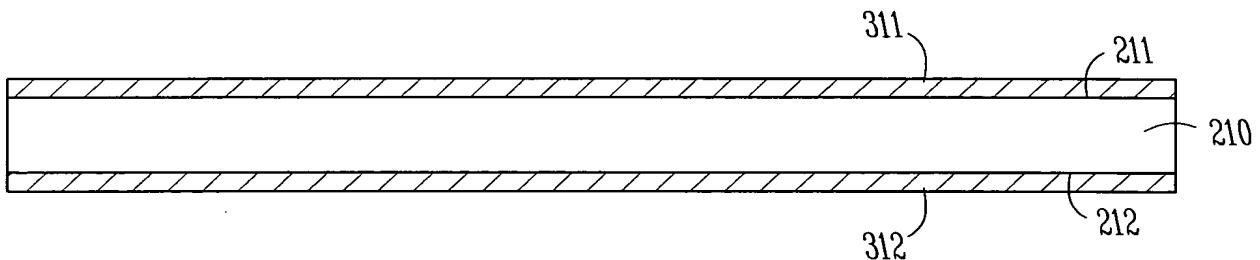


Fig. 4

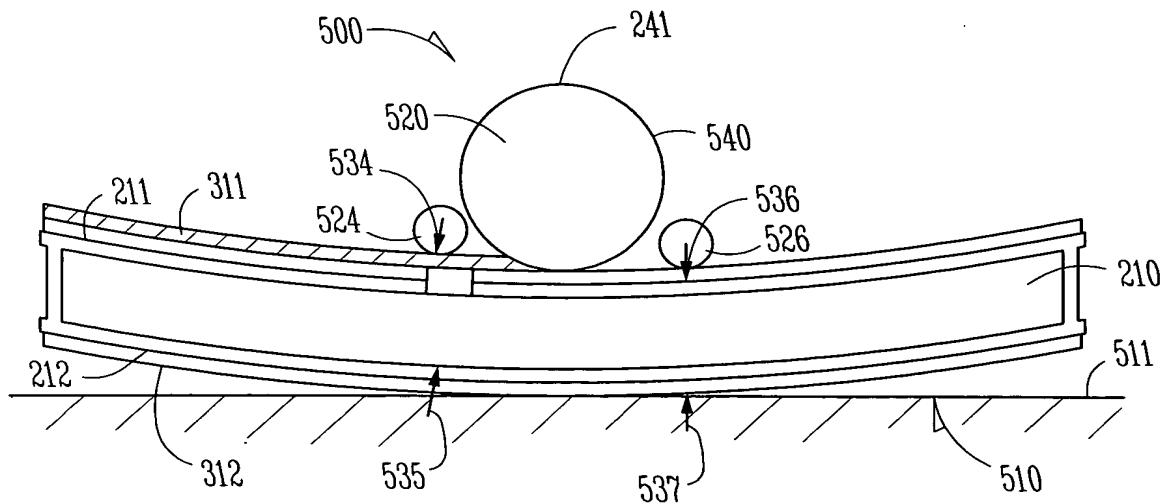


Fig. 5

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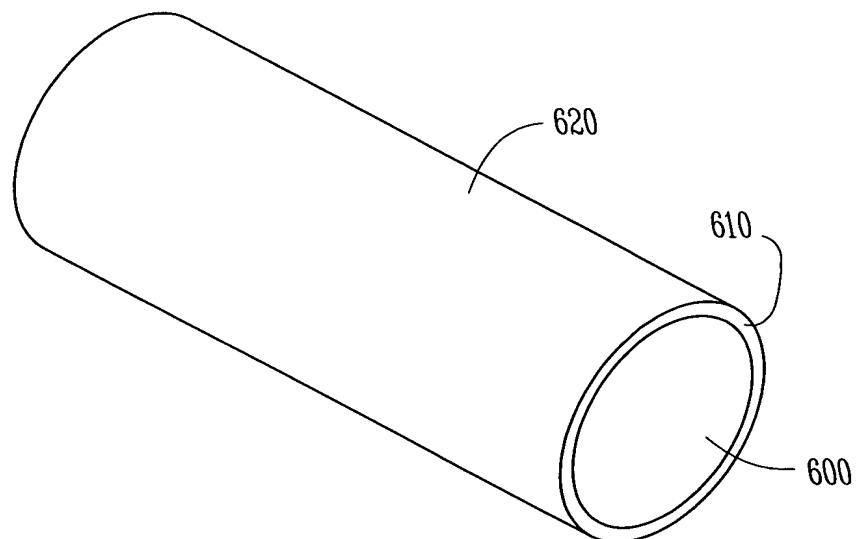


Fig. 6

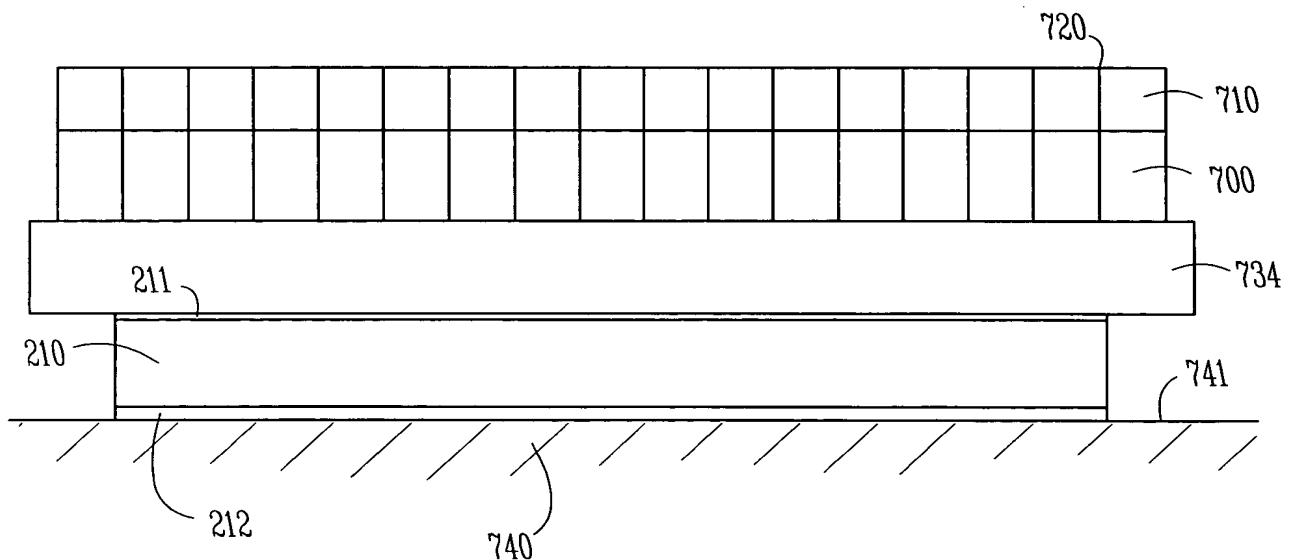


Fig. 7

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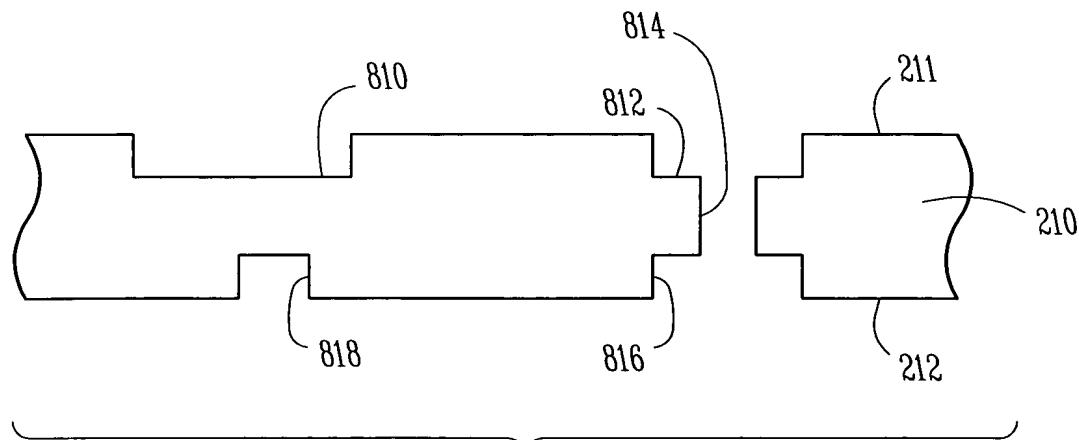


Fig. 8

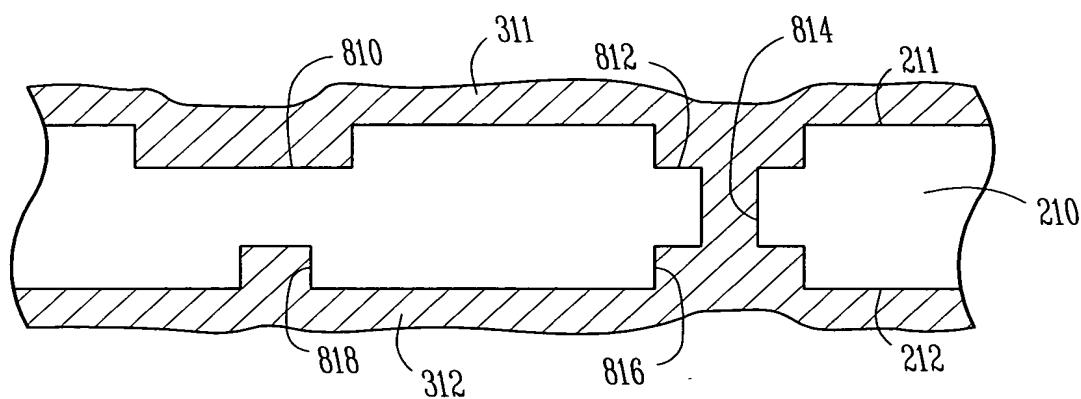


Fig. 9

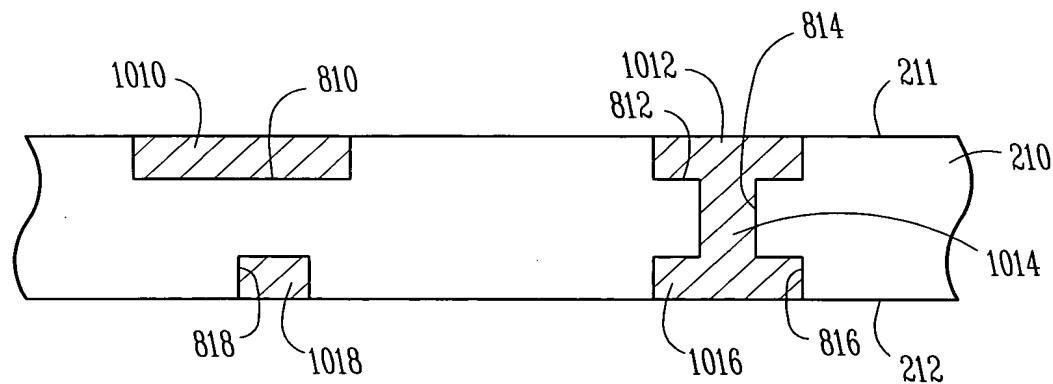


Fig. 10

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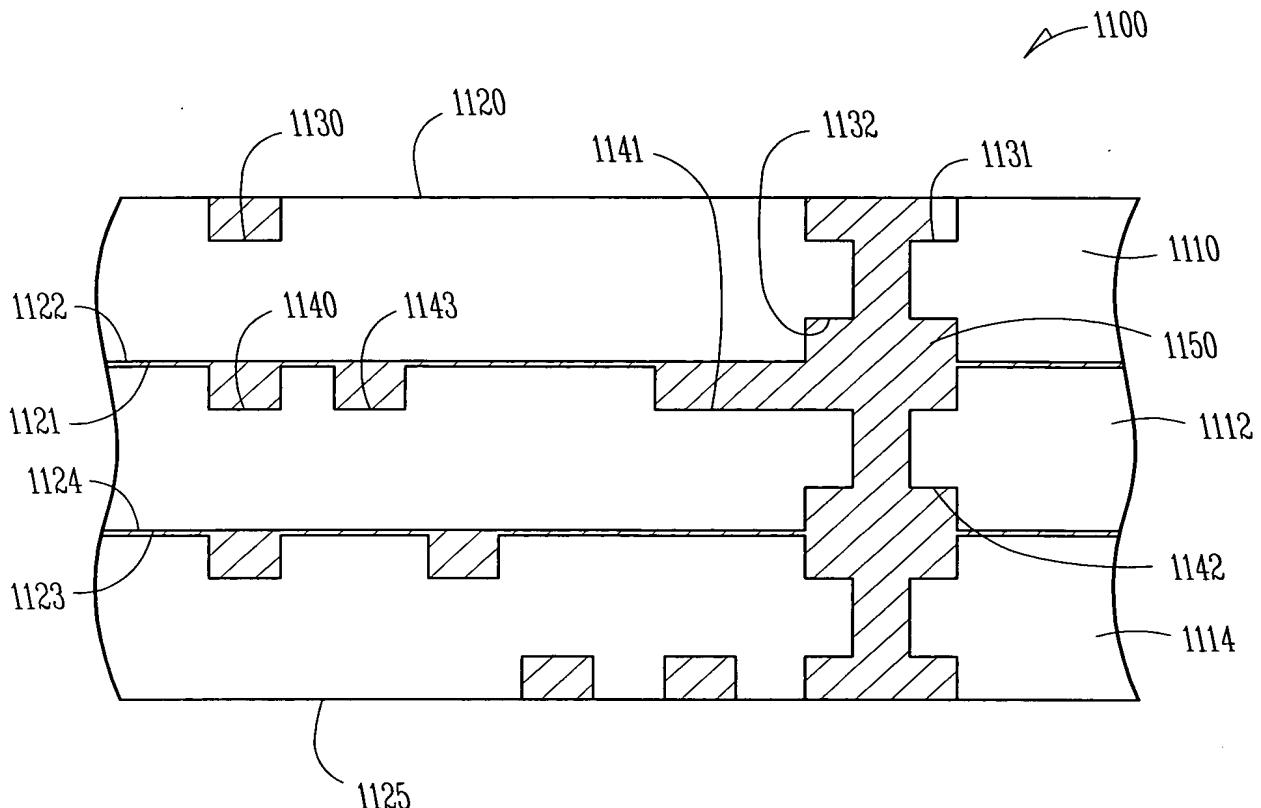


Fig. 11

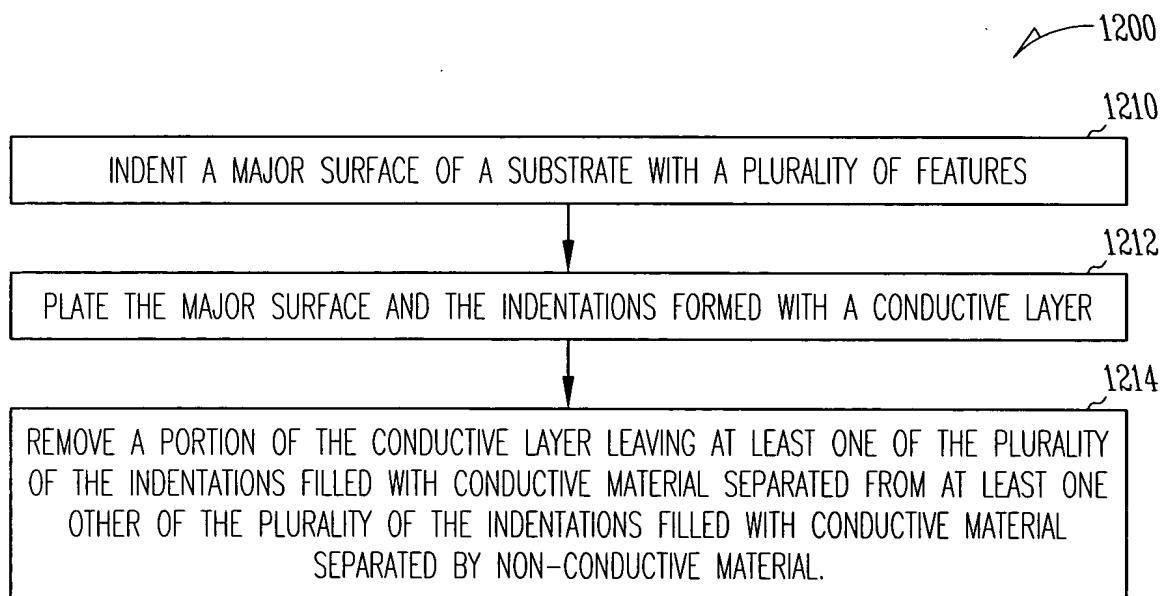


Fig. 12

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INDENT A FIRST MAJOR SURFACE OF A FIRST SUBSTRATE WITH A PLURALITY OF FEATURES

1312

INDENT A SECOND MAJOR SURFACE OF A FIRST SUBSTRATE WITH A SECOND PLURALITY OF FEATURES

1314

PLATE THE FIRST MAJOR SURFACE AND THE INDENTATIONS FORMED IN THE FIRST MAJOR SURFACE WITH A CONDUCTIVE LAYER

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PLATE THE SECOND MAJOR SURFACE AND THE INDENTATIONS FORMED IN THE SECOND MAJOR SURFACE WITH A CONDUCTIVE LAYER

1318

REMOVE A PORTION OF THE CONDUCTIVE LAYER ON THE FIRST MAJOR SURFACE LEAVING AT LEAST ONE OF THE PLURALITY OF THE INDENTATIONS IN THE FIRST MAJOR SURFACE FILLED WITH CONDUCTIVE MATERIAL SEPARATED FROM AT LEAST ONE OTHER OF THE PLURALITY OF THE INDENTATIONS IN THE FIRST MAJOR SURFACE FILLED WITH CONDUCTIVE MATERIAL SEPARATED BY NON-CONDUCTIVE MATERIAL

1320

REMOVE A PORTION OF THE CONDUCTIVE LAYER ON THE SECOND MAJOR SURFACE LEAVING AT LEAST ONE OF THE PLURALITY OF THE INDENTATIONS IN THE SECOND MAJOR SURFACE FILLED WITH CONDUCTIVE MATERIAL SEPARATED FROM AT LEAST ONE OTHER OF THE PLURALITY OF THE INDENTATIONS IN THE SECOND MAJOR SURFACE FILLED WITH CONDUCTIVE MATERIAL SEPARATED BY NON-CONDUCTIVE MATERIAL

Fig. 13

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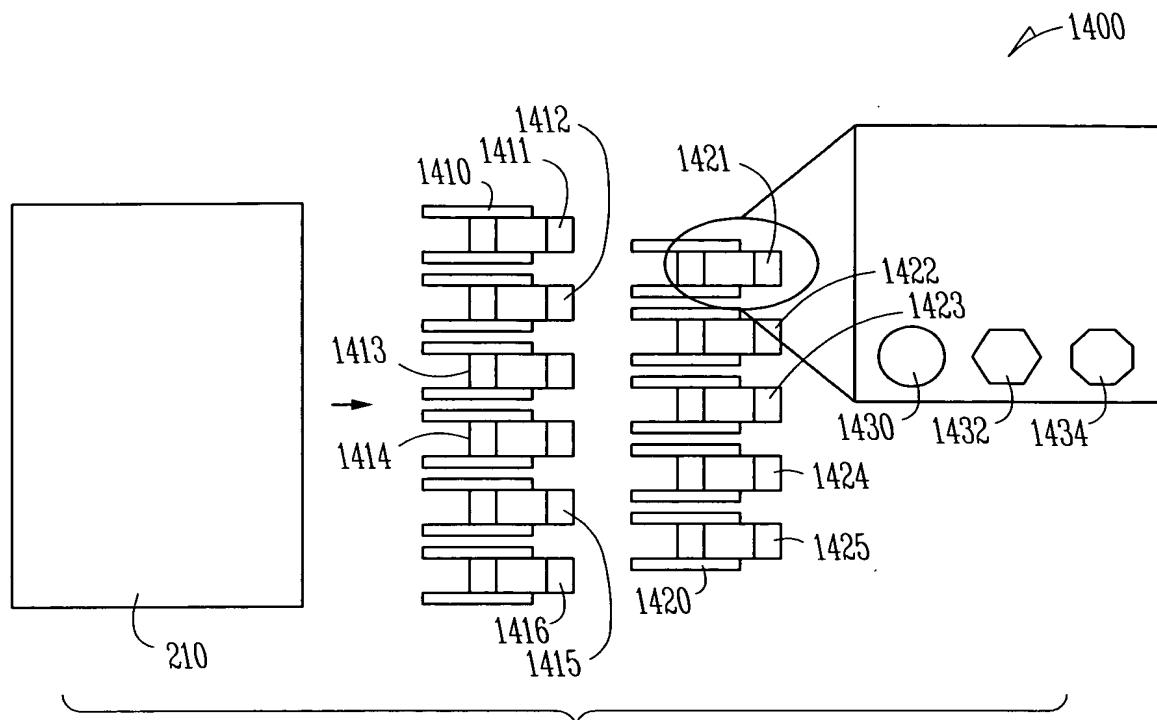


Fig. 14

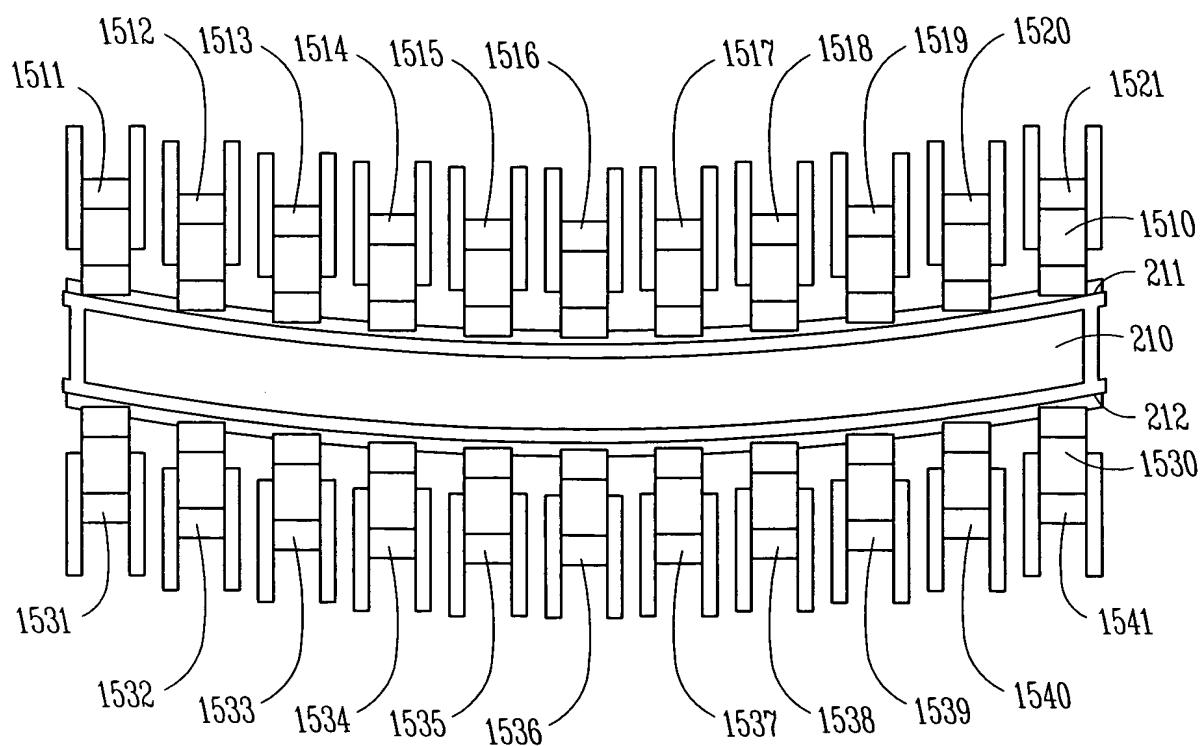


Fig. 15

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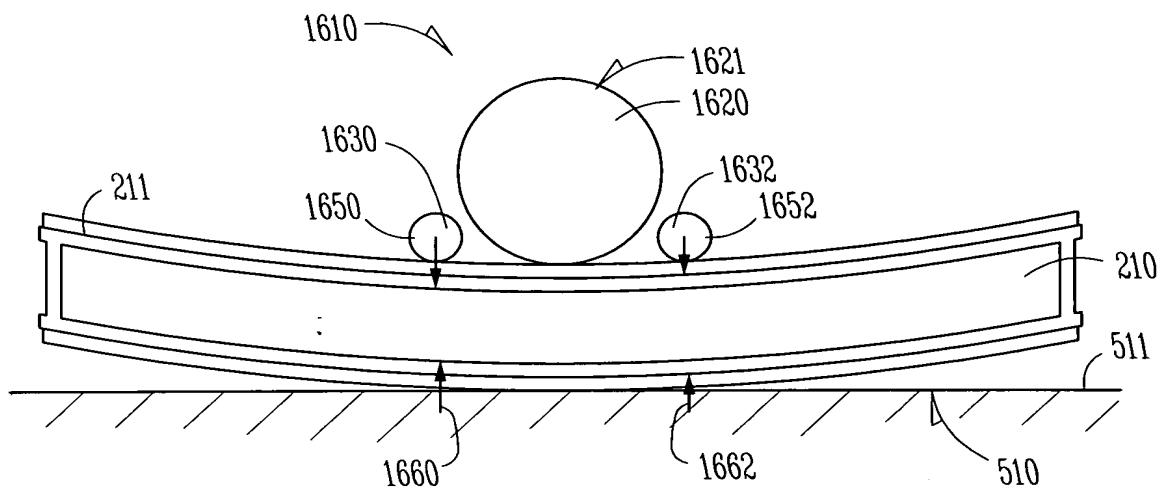


Fig. 16

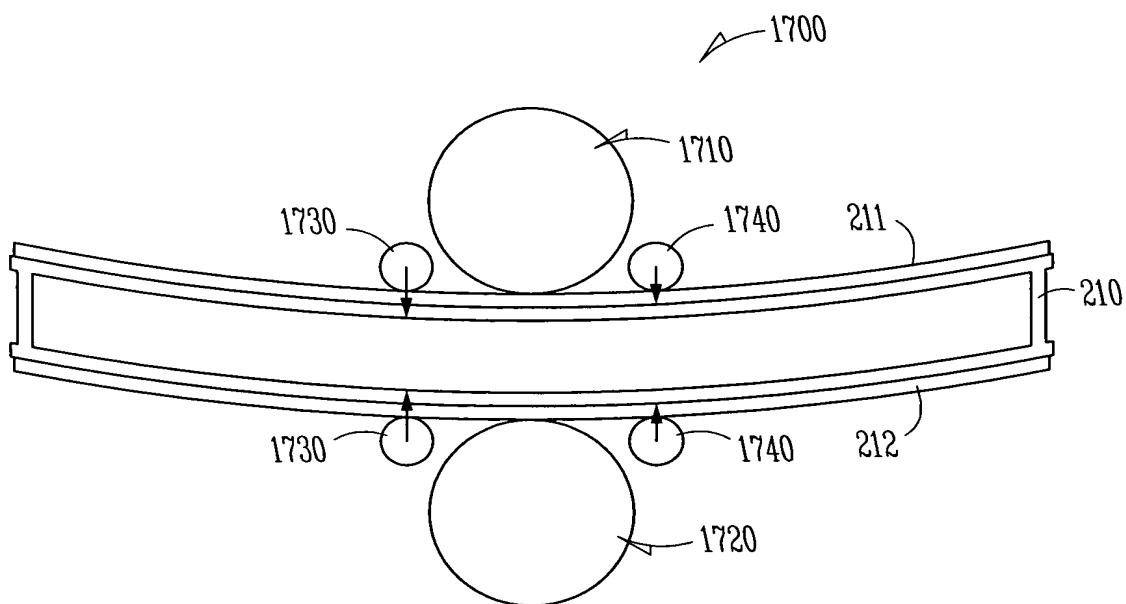


Fig. 17

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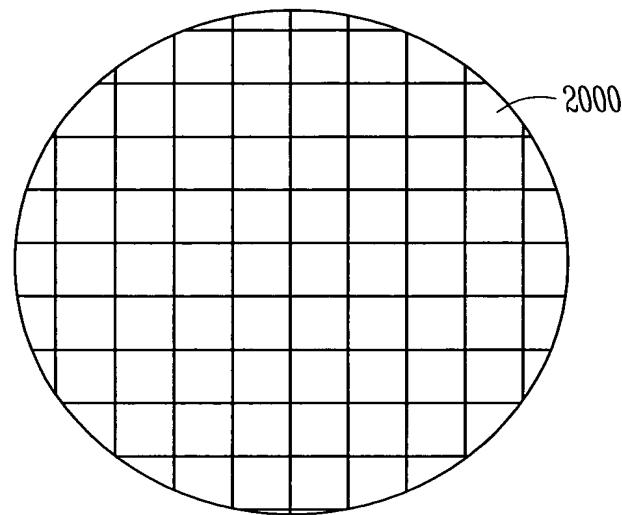


Fig.20

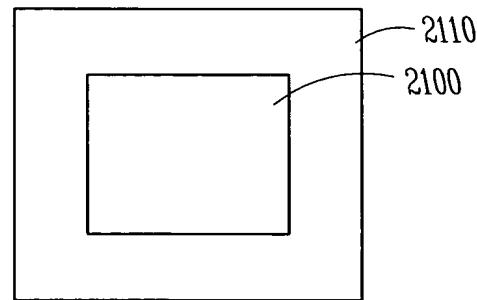


Fig.21



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